

ABSTRACT

A device for fabricating LCD devices includes a base frame, a lower chamber unit on the base frame, an upper chamber unit over the lower chamber unit and moveable over the base frame, chamber moving means for raising/lowering the upper chamber unit, stages within interior spaces of the upper and lower chamber units, wherein substrates are securable to each of the stages, and sealing means on at least one surface of the chamber units for sealing an interior space definable by joined upper and lower chamber units, the substrates being within the sealed interior space. A method for fabricating LCD devices includes loading substrates onto stages, lowering an upper chamber unit to seal an interior space from an external environment, evacuating the sealed interior space, aligning the first and second substrates, contacting the first and second substrates with sealant material, venting the sealed interior space, and unloading the bonded substrates.